Recorded
8-7-64 cmj.

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

Laboratory Work Sheet

LAB FILE

Re: LEE HARVEY OSWALD, aka
IS - R - CUBA

File # 105-82555-4668X
Lab. # D-455927 HO
PC 81827 CF, BX

Examination requested by: President's Commission (7-7-64)

Examination requested: Photographic-~~Microscopic~~ Spectrographic (Firearms)

Date received: 8-6-64

Result of Examination:

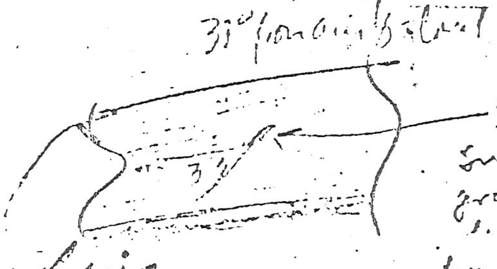
Examination by: Shaneyfelt

8/10 R Frazier

Use C# in Corres.

C321

Q609 Piece of curbing


31" from [illegible]
3½"
Barely discernible smoothing [illegible] - no groove and [illegible] visible lead dep. No Cu. part. from [illegible] - not pristine bullet.

Specimens submitted for examination

Request for location and examination of mark on curbing at assassination site

Curb -- Minor disturbance of L to edge.

If lead-antimony present it could have originated from a lead bullet, the core portion of a metal jacketed bullet such as C1, 2, 3, a automobile wheel balancing weight or some other source of lead. The absence of copper-alloy bullet jacket residues precludes the possibility that the mark was made by an unmutilated full metal jacketed bullet. Further the damage to the curbing would have been much more ~~severe~~ extensive if a rifle bullet such as C1, 2, 3 had struck the curb without first striking another object

2-FBI, Dallas (100-10461)

D-455827 HO
PC 81827 CF, BL

is curbing bearing the piece of curbing was removed on 8-5-64 and is available at the FBI Lab. ~~removed~~ has been designated C 321. by the FBI ~~by the FBI laboratory~~.

Small foreign metal smears were found ~~in~~ adhering to the curbing section at an area which bears a mark. These metal smears were ~~analyz~~ spectrographically determined to be essentially lead with a trace of antimony. No copper was found.

The lead could have originated from a lead bullet, the lead core of a metal ~~[illegible]~~ jacketed bullet such as the type of bullets ~~[illegible]~~ ~~such as C8 or some other source~~ loaded into 6.5 mm Mannlicher-Carcano cartridges ~~of bullets~~ or from some other source having the same composition.

The ~~abgen~~ absence of copper precludes the possibility that the mark on the curbing section was made by an unmutilated ~~full jack~~ military type full metal-jacketed bullet such as the bullet recovered from ~~on~~ the Governor Connolly stretcher ~~(C1)~~ C1 or the bullet ~~[illegible]~~ or bullets represented by the jacket fragments, C2 and C3, found in the Presidential limousine. Further, the damage to the curbing would have been much more extensive if a rifle bullet had struck the curbing without first having struck some other object.

7-2

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

Recorded
8-7-64 caj

Laboratory Work Sheet

LAB FILE

Re: LEE HARVEY OSWALD, aka
IS - R - CUBA

File # 105-82555 - 4668 X
Lab. # D-455927 HO

Examination requested by: President's Commission (7-7-64)

Examination requested: Photographic-~~Microscopic~~- Spectrographic
Firearms

Date received: 8-6-64

Result of Examination:

Examination by: Shaneyfelt

Mark on curb is 23' 4" from Triple underpass. A direct shot from 6th floor window TSBD would cross over pres in center of Elm St at about 18' elevation & at Zapruder frame 410. 97 frames after 313 or 5.3 sec @ 18.3 f/s.

Specimens submitted for examination

Q609

Request for location and examination of mark on curbing at assassination site

At frame 410 Mrs K is back in car & Hill is midway between bumper & pres. Curbing removed - Mark made by object traveling in general direction away from TSBD.

8-11-64

2-FBI, Dallas (100-10461)

64 AUG 27 1964

105-82555-4668X

7-2

Recorded
8-7-64 cmj

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

Laboratory Work Sheet

LAB FILE

Re: LEE HARVEY OSWALD, aka
IS - R - CUBA

File # 105-82555-4166X
Lab. # D-455927 HO

PC-81827 BX CF

Examination requested by: President's Commission (7-7-64)

Examination requested: Photographic-Microscopic- (Spectrographic) (Firearms)

Date received: 8-6-64

Result of Examination:

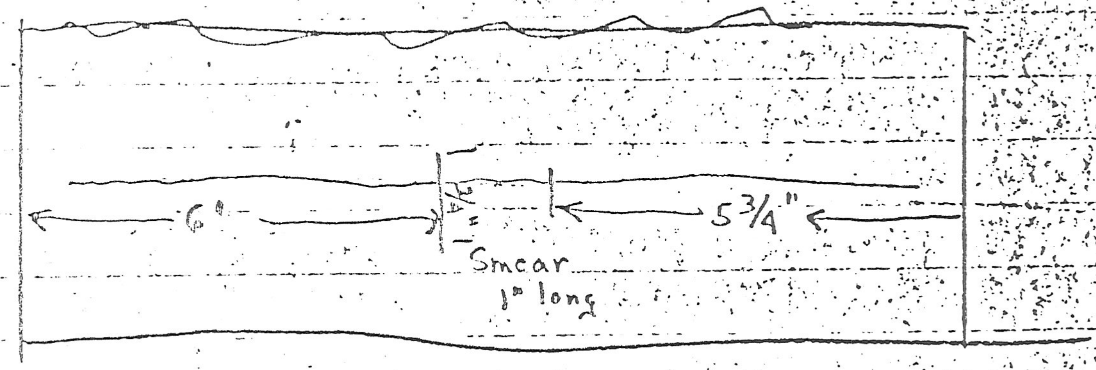
Examination by: Shaneyfelt
RH

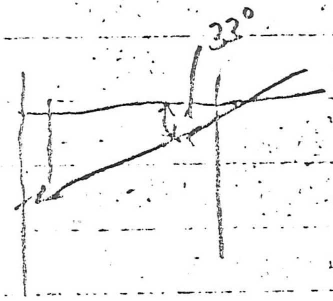
Specimens submitted for examination

Q609 ~~Request for location and examination of mark on curbing at assassination site~~ Piece of curbing.

Small foreign metal smears (see attached for location) were run spectrographically (quartz-lith.) & found to be essentially lead with a trace of antimony - Could be a bullet metal. No copper observed.

2-FBI, Dallas (100-10461)


6"
3/4"
5 3/4"
Smear
1" long


33°